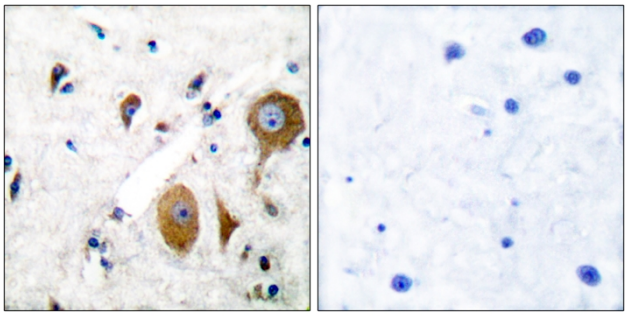
mGluR-8 Polyclonal Antibody

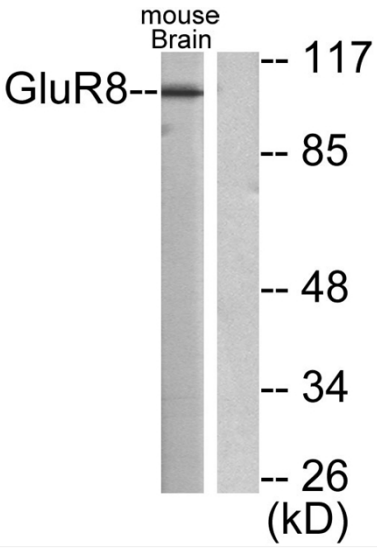
Catalog No	YP-Ab-13421
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	GRM8
Protein Name	Metabotropic glutamate receptor 8
Immunogen	The antiserum was produced against synthesized peptide derived from human mGluR8. AA range:841-890
Specificity	mGluR-8 Polyclonal Antibody detects endogenous levels of mGluR-8 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GRM8; GPRC1H; MGLUR8; Metabotropic glutamate receptor 8; mGluR8
Observed Band	100kD
Cell Pathway	Cell membrane; Multi-pass membrane protein.
Tissue Specificity	Brain,Colon,Fetal brain,
Function	function:Receptor for glutamate. The activity of this receptor is mediated by a G-protein that inhibits adenylate cyclase activity.,similarity:Belongs to the G-protein coupled receptor 3 family.,subunit:Interacts with PICK1.,
Background	glutamate metabotropic receptor 8(GRM8) Homo sapiens L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors, that have been divided into 3 groups on the basis of sequence homology, putative signal transduction mechanisms, and pharmacologic properties. Group I includes GRM1 and GRM5 and these receptors have been shown to activate phospholipase C. Group II includes GRM2 and GRM3 while Group III includes GRM4, GRM6, GRM7 and GRM8. Group II and III receptors are linked to the inhibition of the cyclic AMP

	cascade but differ in their agonist selectivities. Alternatively spliced transcript variants encoding different isoforms have been d
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using mGluR8 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from mouse brain, using mGluR8 Antibody. The lane on the right is blocked with the synthesized peptide.